



Serial No. 09/902,859  
Art Unit No. 2133

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS  
BEING DEPOSITED AS EXPRESS MAIL ED070746151US,  
ON DATE OF DEPOSIT: September 13, 2004  
PERSON TRANSMITTING: ANNE VACHON DOUGHERTY

*Anne Vachon Dougherty 9/13/04*  
Signature & Date

RECEIVED

SEP 16 2004

Technology Center 2100

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of : September 13, 2004  
E. S. Eleftheriou, et al : Group Art No.: 2133  
Serial No. 09/902,859 : Examiner: Shelly Chase  
Filed: July 11, 2001 : IBM Corporation  
Title: METHOD AND APPARATUS FOR  
LOW DENSITY PARITY CHECK  
ENCODING OF DATA Anne Vachon Dougherty  
3173 Cedar Road  
Yorktown Hts, N.Y. 10598

AMENDMENT

Commissioner for Patents  
Sir:

In response to the Office Action dated May 12, 2004 for  
the above-identified patent application, Applicants submit a  
Petition for Extension of Time, fee, and the following:

Amendments to the Claims as reflected in the Listing of  
Claims which begins on page 2.

Remarks/Arguments which begin on page 7.

Authorization is hereby given to charge Deposit Account  
50-0510 in the amount of \$258.00 for the introduction of  
three new independent claims in excess of three. The total  
number of claims is unchanged.

09902850  
11/19/2004 WHITCHEL 00000005 500510  
01 FC:1201 258.00 EA  
11/19/2004 WHITCHEL 00000005 500510  
01 FC:1201 258.00 EA

CH920010036

-1-

Serial No. 09/902,859  
Art Unit No. 2133

triangularization method as claimed, and that the Bond teachings relating to the undesirability of small cycles do not teach or suggest the claimed eliminating of 4-cycles from a second matrix generated by the claimed steps (Claims 2, 6, and 10) or the cyclical shifting of rows (formerly Claims 4, 7, and 11, now in Claims 15-17). Accordingly, Applicants believe that a prima facie case of obviousness has not been made by the Examiner, since not all of the claim features are taught or suggested by the cited references.

Based on the foregoing amendments and remarks, Applicants respectfully request entry of the amendments, reconsideration of the amended claim language in light of the remarks, withdrawal of the rejections, and allowance of the claims.

Respectfully submitted,  
E. S. Eleftheriou, et al

By: Anne Vachon Dougherty  
Anne Vachon Dougherty  
Registration No. 30,374  
Tel. (914) 962-5910